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DATE MAILED: 11/03/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/945,313	08/31/2001	Marc G. Brun	SP01-238	2735
7590 11/03/2003			EXAMINER	
Price, Heneveld, Cooper,			WOOD, KEVIN S	
DeWitt & Litto	n			
695 Kenmoor, S.E.			ART UNIT	PAPER NUMBER
Post Office Box 2567			2874	
Grand Rapids,	MI 49501			

Please find below and/or attached an Office communication concerning this application or proceeding.

· ·		nw.				
•	Application No.	pplicant(s)				
	09/945,313	BRUN ET AL.				
Office Action Summary	Examin r	Art Unit				
	Kevin S Wood	2874				
Th MAILING DATE of this communication appears on the cover sheet with the corr spond nce address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period vor Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply to within the statutory minimum of thirty (30) will apply and will expire SIX (6) MONTHS to cause the application to become ABAND	be timely filed) days will be considered timely. from the mailing date of this communication. ONED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 24 2	luly 2003 .					
	is action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims	to the employets.	•				
4) Claim(s) <u>1-18,20,22,24 and 25</u> is/are pending	• •					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>1-18</u> is/are allowed.						
6)⊠ Claim(s) <u>20,22,24 and 25</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement. Application Papers						
9)☐ The specification is objected to by the Examine	r.					
10)⊠ The drawing(s) filed on <u>25 March 2002</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12)☐ The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents	s have been received.					
2. Certified copies of the priority documents	s have been received in Applic	cation No				
Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) ☐ The translation of the foreign language provisional application has been received.						
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 8 	5) Notice of Inform	mary (PTO-413) Paper No(s). 10 . nal Patent Application (PTO-152)				
S. Patent and Trademark Office	Dita	nitherally				

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DETAILED ACTION

Response to Amendment

1. This Office Action is responsive to the Applicant's Amendment filed 24 July 2003. Claims 1, 10, 15, 17, 20, 22, and 24 are now amended. Claims 19, 21, 23, and 26-28 are now canceled. Claims 1-18, 20, 22, 24, and 25 are now pending in the application.

Response to Arguments

2. Applicant's arguments, filed on 24 July 2003, with respect to claims 1-17 have been fully considered and are persuasive. The rejections of claims 1-17 have been withdrawn.

Applicant's arguments filed on 24 July 2003 with respect to claims 20, 22, 24, and 25 have been fully considered but they are not persuasive. The examiner has thoroughly reviewed the applicant's arguments but firmly believes the cited reference to reasonably and properly meet the claimed limitations. The applicant's primary argument with respect to claims 22 and 24 is that the examiner is inconsistent with the labeling of the fibers when rejecting claims 19, 22, 23, and 24.

Any argument with respect to claims 19 and 23 are moot, because these claims have been canceled.

The examiner agrees that the rejections of claim 22 and 24 may have been unclear and difficult to follow. However, the examiner does not agree that the claims are allowable over the prior art reference. Therefore the examiner will clarify the

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rejections of claims 22 and 24 to show that Sommer et al. clearly discloses all the limitations of the claimed invention.

Referring to claim 22, Sommer et al. discloses a multiple-port add/drop package including: an optical filter (52); a first input fiber (84); a first reflected fiber optically coupled with the first input fiber (84) via a light signal (λ_1, λ_3) reflected by the optical filter; a second input fiber (86); a second reflected fiber (90) optically coupled with the second input fiber (86) via a light signal (λ_4) reflected by the optical filter; a third input fiber (94) optically coupled to the first reflected fiber (88) via a light signal (λ_2) transmitted through the filter; a first transmitted fiber (68) optically coupled to the first input fiber (84); and a second transmitted fiber (96) optically coupled to the second input fiber (86).

Referring to claim 24, Sommer et al. discloses all the limitations of the claimed invention. Sommer et al. discloses a multiple-port add/drop package including: an optical element (52); a first input fiber (84); a first reflected fiber optically coupled with the first input fiber (84) via a light signal (λ_1 , λ_3) reflected by the optical element; a second input fiber (86); a second reflected fiber (90) optically coupled with the second input fiber (86) via a light signal (λ_4) reflected by the optical element; a third input fiber (94) optically coupled to the first reflected fiber (88) via a light signal (λ_2 ') transmitted through the optical element; a first transmitted fiber (68) optically coupled to the first input fiber (84); and a second transmitted fiber (96) optically coupled to the second input fiber (86).

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The examiner believes that reference meets all the limitations of the claimed invention and that there is no longer any inconsistency with the labeling of the components within the rejections.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- of such treaty in the English language.

 2 4 and 25

 4. Claims 22 and 20 are rejected under 35 U.S.C. 102(e) as being anticipated by

 U.S. Patent No. 6,433,924 to Sommer et al.

Referring to claims 22 and 20, Sommer et al. discloses all the limitations of the claimed invention. Sommer et al. discloses a multiple-port add/drop package including: an optical filter (52); a first input fiber (84); a first reflected fiber optically coupled with the first input fiber (84) via a light signal (λ_1, λ_3) reflected by the optical filter; a second input fiber (86); a second reflected fiber (90) optically coupled with the second input fiber (86) via a light signal (λ_4) reflected by the optical filter; a third input fiber (94) optically coupled to the first reflected fiber (88) via a light signal (λ_2) transmitted through the filter; a first transmitted fiber (68) optically coupled to the first input fiber (84); and a second transmitted fiber (96) optically coupled to the second input fiber (86).

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Referring to claims 24 and 25, Sommer et al. discloses all the limitations of the claimed invention. Sommer et al. discloses a multiple-port add/drop package including: an optical element (52); a first input fiber (84); a first reflected fiber optically coupled with the first input fiber (84) via a light signal (λ_1 , λ_3) reflected by the optical element; a second input fiber (86); a second reflected fiber (90) optically coupled with the second input fiber (86) via a light signal (λ_4) reflected by the optical element; a third input fiber (94) optically coupled to the first reflected fiber (88) via a light signal (λ_2 ') transmitted through the optical element; a first transmitted fiber (68) optically coupled to the first input fiber (84); and a second transmitted fiber (96) optically coupled to the second input fiber (86).

Allowable Subject Matter

- 5. Claims 1-18 are allowed.
- 6. The following is a statement of reasons for the indication of allowable subject matter:

Referring to claims 1-9, the prior art does not disclose the combination of all the limitations of the claimed invention. Specifically, the prior art does not disclose an optical package including an input ferrule comprising at least one capillary, at least two pair of optical fibers extending the through the at one capillary, where the fibers are screened for a predetermined tolerance for ovality, wherein the predetermined tolerance for ovality is equal to or less than about 0.8 percent.

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Referring to claims 10-17, the prior art does not disclose the combination of all the limitations of the claimed invention. Specifically, the prior art does not disclose an multiple-port optical package including an input ferrule comprising at least one capillary, at least two pair of optical fibers extending the through the at one capillary, where the fibers are screened for a predetermined tolerance for core concentricity, wherein the predetermined tolerance for core concentricity is equal to or less than about 1.0 µm.

Referring to claim 18, the prior art does not disclose the combination of all the limitations of the claimed invention. Specifically, the prior art does not disclose an add/drop optical module including first and second six-port optical packages, wherein the first reflected fiber of the first package is coupled to the first input fiber of the second package and wherein the second input fiber of the first package is coupled to the second reflected fiber of the first package.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin S Wood whose telephone number is (703) 605-5296. The examiner can normally be reached on Monday-Thursday (7am - 5:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney B Bovernick can be reached on (703) 308-4819. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 307-0956.

KSW

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